Contents of Volume 27

Review

M.D. Suboski (*Canada*)
Releaser-induced recognition learning by gastropod molluscs 1

Research Papers

P. Lewis and D.M. Dougherty (*USA*)
Pigeon performance on a variable-interval omission schedule at different levels of food deprivation 27

J.P. Kent (*Ireland*)
Maternal aggression and inter-individual distance in the broody hen (*Gallus gallus*) 37

R. Fénéron and P. Jaisson (*France*)
Nestmate-brood recognition among workers of different social status in *Ectatomma tuberculatum* Olivier (Formicidae, Ponerinae) 45

K.N. Laland and H.C. Plotkin (*UK*)
Further experimental analysis of the social learning and transmission of foraging information amongst Norway rats 53

S. Nakajima (*Japan*)
The effect of temporal relationship of stimulus compound on ambiguous discrimination in the pigeon's autoshaping 65

Acknowledgement 75

Research Papers

H.J. Hoffmann and D. Balschun (*FRG*)
Circadian differences in maze performance of C57Bl/6 Ola mice 77

A. Horel and J.L. Gundermann (*France*)
Egg sac guarding by the funnel-web spider *Coelotes terrestris*: function and development 85

R.N. Hughes (*New Zealand*)
Effects of substrate brightness differences on isopod (*Porcellio scaber*) turning and turn alternation 95

J.R. Anderson, I. Fornasieri, E. Ludes and J.-J. Roeder (*France*)
Social processes and innovative behaviour in changing groups of *Lemur fulvus* 101

F.K. McSweeney and C.L. Melville (*USA*)
Failure to find positive key-press contrast for milk reinforcers using a within-session procedure 113

G.R. King, A.W. Logue and D. Gleiser (*USA*)
Probability and delay of reinforcement: an examination of Mazur's equivalence rule 125

L. Von Fersen, J. Emmerton and J.D. Delius (*FRG, USA*)
Unexpected discrimination strategy used by pigeons 139

Book Reviews 151

Research Papers

C. Rossi-Arnaud and M. Ammassari-Teule (*Italy*)
Modifications of open field and novelty behaviours by hippocampal and amygdaloid lesions in two inbred strains of mice: lack of strain × lesion interactions 155

C. Féron and C. Baudoin (*France*)
Reactions of staggerer and non-mutant male mice to female urine and vaginal secretion odors 165

S.J. Al-Maliki and F. Al-Rawi (Iraq)
Effect of chronic exposure to a magnetic field on two forms of murine aggression 171

A. Cariou-Etienne, S. Aron and L. Passera (France, Belgium)
Queen attractivity in the Argentine ant *Iridomyrmex humilis* (Mayr) 179

L.C. Drickamer and J. Martan (USA)
Odor discrimination and dominance in male domestic guinea pigs 187

Short Communications

J.-F. Gerard, B. Laffort and M. Vancassel (France)
Theoretical possibility of a genetic assimilation of the fleeing direction in *Talitrus saltator* 195

H.A. Van de Weerd, F.A.R. Van den Broek and A.C. Beynen (Netherlands)
Removal of vibrissae in male mice does not influence social dominance 205

Essay: Book Review 209

Book Review 219

Acknowledgement 221

Errata 223

Contents of Volume 27 225

Author Index 227

Subject Index 229